

Appl. No. 10/709,710
Amdt. dated August 22, 2006
Reply to Office action of May 25, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

5 Listing of Claims:

Claim 1 (currently amended): An intake structure, installed in a projection apparatus which has at least one heating element, comprising:

at least one intake port disposed on said projection apparatus;

10 at least one air duct, an inlet of said air duct being directly connected to said intake port and an outlet of said air duct being disposed near said heating element ;
 and

 an exhaust fan disposed near said heating element for drawing outside air into said intake port, through said air duct, across said heating element, and exhausting the air passing by said heating element, an intake side of said exhaust fan facing
15 said heating element, said heating element disposed between said outlet of said air duct ~~air duct~~ and said exhaust fan, wherein there are no additional fan elements in an air path between the intake port and the heating element for pushing the air toward the heating element.

20 Claim 2 (original): The intake structure as claimed in claim 1, wherein said air duct has a bent air path.

 Claim 3 (original): The intake structure as claimed in claim 2, wherein the outlet of said air duct is connected to at least one splitting duct.

25

 Claim 4 (original): The intake structure as claimed in claim 1, wherein said air duct has a straight air path.

Appl. No. 10/709,710
Amdt. dated August 22, 2006
Reply to Office action of May 25, 2006

Claim 5 (original): The intake structure as claimed in claim 4, wherein
the outlet of said air duct is connected to at least one splitting duct.

Claim 6 (canceled)

5

Claim 7 (previously presented): The intake structure as claimed in claim 1, wherein
said exhaust fan is disposed near said heating element and said air duct for guiding
outside air stream flowing through said heating element.

10 Claim 8 (original): The intake structure as claimed in claim 1, wherein
the area of said inlet of said air duct to be set depends on the area of said intake port.

Claim 9 (original): The intake structure as claimed in claim 1, wherein
the quantity of said air duct to be set depends on the quantity of said heating element.

15

Claim 10 (previously presented): The intake structure as claimed in claim 1, wherein the
distance between said heating element and the outlet of said air duct is 1 to 10 mm.

20 Claim 11 (previously presented): The intake structure as claimed in claim 1, wherein
said heating element is an integration rod.

Claim 12 (previously presented): The intake structure as claimed in claim 1, wherein
said heating element is a relay lens.

25 Claim 13 (previously presented): The intake structure as claimed in claim 1, wherein
said heating element is a condenser.

Claim 14 (previously presented): The intake structure as claimed in claim 1, wherein

Appl. No. 10/709,710
Amdt. dated August 22, 2006
Reply to Office action of May 25, 2006

said heating element is an electronic component.

Claim 15 (original): The intake structure as claimed in claim 1, wherein
said heating element is a color wheel.

5